

## FLORAL INVENTORY FOR THE U.S. ARMY PINON CANYON MANEUVER SITE, COLORADO

R.B. Shaw<sup>1</sup>, S.L. Anderson<sup>1</sup>, K.A. Schultz<sup>1</sup> & V.E. Diersing<sup>2</sup>

<sup>1</sup> Department of Range Science, Colorado State University, Fort Collins,  
Colorado 80523 USA

<sup>2</sup> Environmental Resources Team, Environmental Division, U.S. Army  
Corps of Engineers, Construction Engineering Research Laboratory,  
Champaign, Illinois 61820 USA

### ABSTRACT

The first objective in the U.S. Army's Land Condition/Trend Analysis Program is to complete a floristic inventory of their training lands. Plant specimens were collected from May 1985 through August 1988 at the Piñon Canyon Maneuver Site in southeastern Colorado. A total of 359 species of flowering plants were collected at the site. One taxon, *Haplopappus fremontii* Gray var. *monocephalus* (A. Nels.) Hall (Asteraceae), is proposed for the Federal Threatened and Endangered Species List. Three species [*Portulaca parvula* Gray, *Sapindus saponaria* L. var. *drummondii* (Hook. & Arn.) L. Benson and *Amorpha nana* Nutt.] are on the Colorado Natural Area List of Special Concern.

KEY WORDS: Floristics, Colorado, endangered species.

### INTRODUCTION

One of the initial steps in implementing the U.S. Army's Land Condition/Trend Analysis Program (LCTA) is to do a complete floristic and vegetational inventory of military installations. In the spring of 1985 a study was begun at the Piñon Canyon Maneuver Site (PCMS) to describe the vegetation, produce a species and ecological checklist, and establish permanent field plots to determine the influence of tracked vehicular traffic on the native vegetation. The following species list is based on collections made from May 1985 through August 1988. Thus far, we have collected 359 species from 65 families and 220 genera. Voucher specimens for these collections are in the Range Science Herbarium, Colorado State University.

The 244,000 acre PCMS is located in southeastern Colorado (Figure 1). Average elevation at the site is approximately 5000 ft above sea level. The

region receives about 12 inches of precipitation each year. The climate is semiarid and temperate continental where maximum precipitation coincides with maximum temperature.

The vegetation at PCMS is a complex mosaic of grasslands, shrublands and woodlands. The mosaic of vegetation is due in part to the diverse soils (31 soil series or complexes reported) that have developed from sandstone, limestone, basalt and shale parent material. The dominant vegetation types are grasslands that cover extensive areas. These grasslands are typical of the shortgrass steppe or desert grassland and are dominated by blue grama (*Bouteloua gracilis*), black grama (*B. eriopoda*), western wheatgrass (*Agropyron smithii*) and galleta (*Hilaria jamesii*). Most common interstitial species are ring muhly (*Muhlenbergia torreyi*), tumblegrass (*Schedonnardus paniculatus*), squirreltail (*Sitanion hystriz*) and Fendler threeawn (*Aristida fendleri*).

The shrublands at PCMS are, for the most part, composed of typical grassland understory vegetation with an overstory of shrubs or succulents. The most abundant erect succulent is tree cholla (*Opuntia imbricata*). Some of the most common shrubs are small soapweed (*Yucca glauca*, pale wolfberry (*Lycium pallidum*), common wintersfat (*Ceratoides lanata*) and Bigelow sagebrush (*Artemisia bigelovii*). When soils are extremely sandy, sand sagebrush (*A. filifolia*) dominates the community. Alkali soils are typically dominated by dense stands of fourwing saltbush (*Atriplex canescens*) with an understory of alkali sacaton (*Sporobolus airoides*). Black greasewood (*Sarcobatus vermiculatus*) frequently is found in dense stands along seasonal streams and arroyos.

The woodlands are composed almost entirely of one seeded juniper (*Juniperus monosperma*) and pinyon pine (*Pinus edulis*). Understory shrubby vegetation tends to vary with parent material. On limestone outcrops, greasebush (*Glossopetalon meionandra*), Bigelow sagebrush and James frankenia (*Frankenia jamesii*) are the most common shrubs. On sandstone parent material, the most common understory shrubs are wax currant (*Ribes cereum*), skunkbush sumac (*Rhus trilobata*), true mountain mahogany (*Cercocarpus montanus*), common hoptree (*Ptelea trifoliata*) and littleleaf mockorange (*Philadelphus microphyllus*). Riparian woodlands are dominated by plains cottonwood (*Populus deltoides*), willow (*Salix* sp.) and five-stamen tamarix (*Tamarix pentandra*).

The species list is in alphabetical order by family and species. Author citation, common synonyms, common name and a four letter symbol composed of the first two letters of the genus and specific epithet are given for each taxon. The first column after the common name refers to functional group (F=forb, G=grass, T=tree, S=shrub, \$=succulent and V=vine) The second column refers to whether the plant is native (N) or introduced (I). The

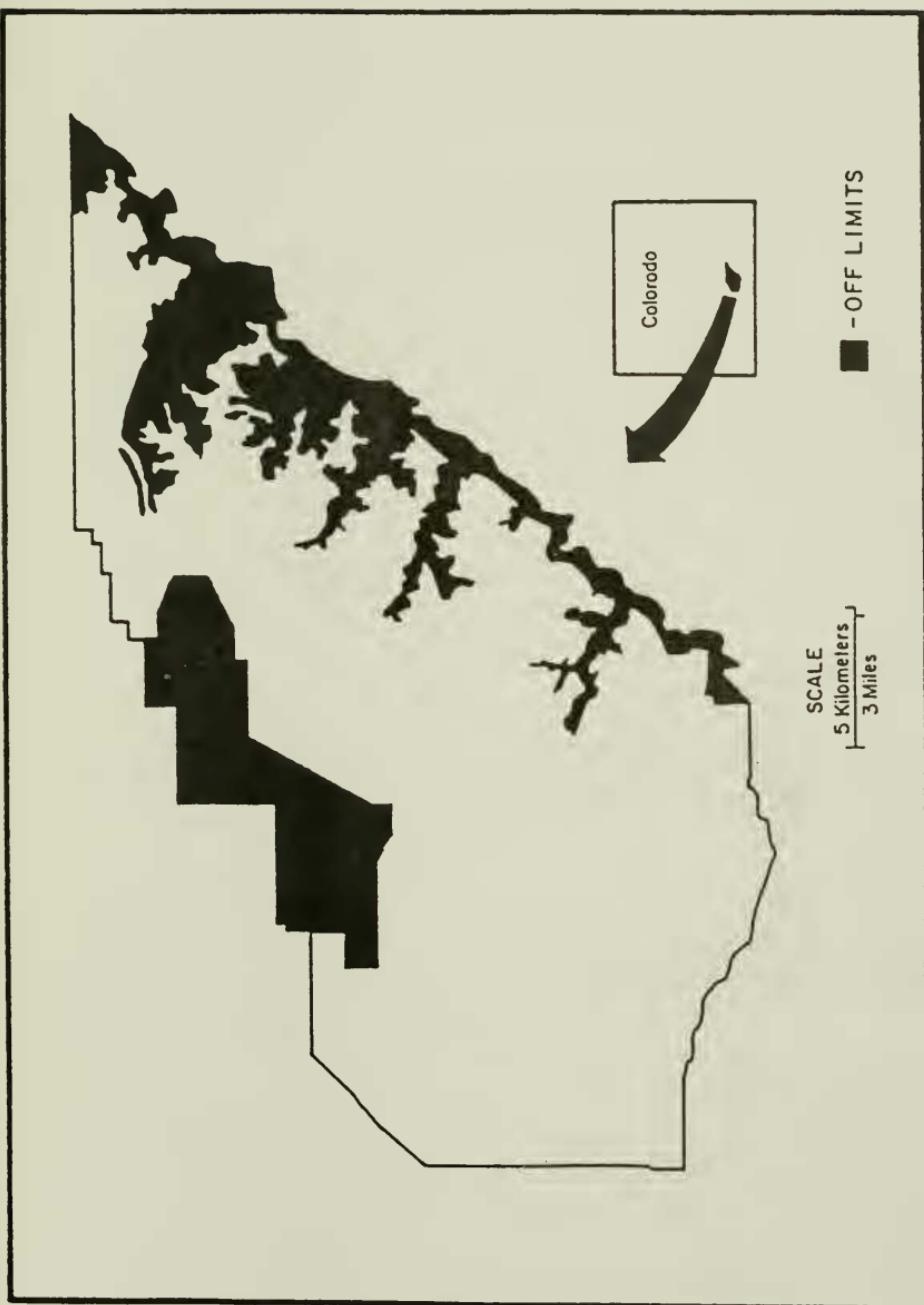


Figure 1. Pinon Canyon Maneuver Site, Colorado.

third column refers to the longevity of the plant (A=annual, B=biennial and P=perennial). The fourth column depicts whether the plant flowers during the cool season (C=March to June), warm season (W=July to September) or evergreen (E).

PLANT SPECIES LIST  
PIÑON CANYON MANEUVER SITE

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Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity Season
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**AGAVACEAE**

*Yucca glauca* Nutt.

SMALL SOAPWEED (YUGL)

S	N	P	C
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**ALISMATACEAE**

*Alisma triviale* Pursh (syn. *A. plantago-aquatica* L. var. *americanum* R. & S.)

AMERICAN WATERPLANTAIN (ALTR) F N P W

cf *Alisma* sp.

WATERPLANTAIN (AL-X) F N P C

*Sagittaria* cf *latifolia* Willd.

COMMON ARROWHEAD (SALA) F N P W

**AMARANTHACEAE**

*Amaranthus albus* L.

TUMBLEWEED (AMAL1) F N A W

*Amaranthus graecizans* L.

(syn. *A. blitoides* S. Wats.)

PROSTRATE PIGWEED

AMARANTH (AMGR) F N A W

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
<b>AMARANTHACEAE (continued)</b>				
<i>Amaranthus retroflexus</i> L. ROUGH PIGWEED (AMRE)	F	N	A	W
<b>ANACARDIACEAE</b>				
<i>Rhus trilobata</i> Nutt. SKUNKBUSH SUMAC (RHTR)	S	N	P	C
<i>Toxicodendron rydbergii</i> (Small) Greene POISON IVY (TORY)	V	N	P	C
<b>APOCYNACEAE</b>				
<i>Apocynum cannabinum</i> L. INDIAN HEMP (APCA)	F	N	P	C
<b>ASCLEPIADACEAE</b>				
<i>Asclepias arenaria</i> Torr. SAND MILKWEED (ASAR)	F	N	P	W
<i>Asclepias asperula</i> (Dcne.) Woodson (syn. <i>A. capricorn</i> Woodson ssp. <i>occidentalis</i> Woodson) ANTELOPE HORNS (ASAS)	F	N	P	C
<i>Asclepias engelmanniana</i> Woodson ENGELMANN MILKWEED (ASEN)	F	I	P	W
<i>Asclepias incarnata</i> L. SWAMP MILKWEED (ASIN)	F	N	P	W
<i>Asclepias macrotis</i> Torr. LONGHORN MILKWEED (ASMA)	F	N	P	W
<i>Asclepias speciosa</i> Torr. SHOWY MILKWEED (ASSP)	F	N	P	C

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Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
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## ASCLEPIADACEAE (continued)

*Asclepias subverticillata* (Gray) Vail  
POISON MILKWEED (ASSU)                    F                N                P                W

*Asclepias verticillata* L.  
WHORLED MILKWEED (ASVE)                F                N                P                W

*Asclepias viridiflora* Raf.  
GREEN MILKWEED (ASVI)                    F                N                P                W

## BORAGINACEAE

*Cryptantha cinerea* (Greene) Cronq. var.  
*jamesii* Cronq. [syn. *C. jamesii* (Torr.) Pays.]  
JAMES CRYPTANTHA (CRCI)                    F                N                P                C

*Cryptantha minima* Rydb.  
CRYPTANTHA (CRMI)                        F                N                P                C

*Cryptantha thyrsiflora* (Greene) Payson  
CLUSTER CRYPTANTHA (CRTH)                F                N                P                C

*Lappula diploma* (F. & M.) Guerke [syn.  
*L. redowskii* (Hornem.) Greene var.  
*cupulata* (Gray) M.E. Jones; *L. texana*  
(Scheele) Britt.]  
CUPSEED STICKSEED (LADI)                F                N                A                C

*Lappula redowskii* (Hornem.) Greene  
BLUEBUR STICKSEED (LARE)                F                N                A                C

*Lithospermum incisum* Lehm.  
NARROWLEAF GROMWELL (LIIN)            F                N                P                C

*Onosmodium molle* Michx. var.  
*occidentale* (Mack.) I. Johnst.  
WESTERN MARBLESEED (ONMO)            F                N                P                C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
<b>CACTACEAE</b>				
<i>Coryphantha vivipara</i> (Nutt.) Britt. & Rose PINCUSHION CACTUS (COVI)	\$	N	P	C
<i>Echinocereus viridiflorus</i> Engelm. HEDGEHOG CACTUS (ECVI)	\$	N	P	C
<i>Opuntia imbricata</i> (Haw.) DC. TREE CHOLLA (OPIM)	\$	N	P	C
<i>Opuntia phaeacantha</i> Engelm. PRICKLY PEAR (OPPH)	\$	N	P	C
<i>Opuntia polyacantha</i> Haw. var. <i>polyacantha</i> PLAINS PRICKLY PEAR (OPPO1)	\$	N	P	C
<i>Opuntia polyacantha</i> Haw. var. <i>trichophora</i> (Engelm. & Bigel.) Coulter. HOARY PRICKLY PEAR (OPPO2)	\$	N	P	C
<b>CAMPANULACEAE</b>				
<i>Lobelia cardinalis</i> L. CARDINAL FLOWER (LOCA)	F	N	P	W
<b>CAPPARIDACEAE</b>				
<i>Cleome serrulata</i> Pursh ROCKY MOUNTAIN BEEPLANT (CLSE)	F	N	A	W
<i>Polansia dodecandra</i> (L.) DC. ssp. <i>trachysperma</i> (T. & G.) Iltis (syn. <i>P. trachysperma</i> T. & G.) CLAMMYWEED (PODO)	F	N	A	C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
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## CAPRIFOLIACEAE

*Sambucus canadensis* L.

AMERICAN ELDER (SACA)

S

N

P

W

*Symporicarpos occidentalis* Hook.

WESTERN SNOWBERRY (SYOC)

S

N

P

C

*Symporicarpos oreophilus* Gray (syn.*S. rotundifolius* var. *oreophilus* M.E. Jones

MOUNTAIN SNOWBERRY (SYOC)

S

N

P

C

## CARYOPHYLLACEAE

*Arenaria hookeri* Nutt. var. *hookeri*

HOOKER SANDWORT (ARHO)

F

N

P

C

*Paronychia cf sessiliflora* Nutt.

CREEPING NAILWORT (PASE)

F

N

P

C

## CELASTRACEAE

*Glossopetalon meionandra* Koehne. [syn.*Forsellesia meionandra* (Koehne) Heller]

GREASEBUSH (GLME)

S

N

P

C

## CHENOPodiACEAE

*Atriplex argentea* Nutt.

TUMBLING SALTBUsh (ATAR)

F

N

A

W

*Atriplex canescens* (Pursh) Nutt.

FOURWING SALTBUsh (ATCA)

S

N

P

C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Cool/Warm Season
<b>CHENOPODIACEAE (continued)</b>				
<i>Ceratoides lanata</i> (Pursh) Howell [syn. <i>Eurotia lanata</i> (Pursh) Moq.] COMMON WINTERFAT (CELA)	S	N	P	C
<i>Chenopodium</i> cf <i>album</i> L. LAMBSQUARTERS GOOSEFOOT (CHAL)	F	I	A	W
<i>Chenopodium incanum</i> (S. Wats.) Heller GOOSEFOOT (CHIN)	F	N	A	W
<i>Chenopodium</i> cf <i>leptophyllum</i> Nutt. SLIMLEAF GOOSEFOOT (CHLE)	F	N	A	W
<i>Kochia scoparia</i> (L.) Schrad. KOCHIA (KOSC)	F	I	A	W
<i>Salsola iberica</i> Sennen & Pau (syn. <i>S. kali</i> L.) RUSSIAN THISTLE (SAIB)	F	I	A	W
<i>Sarcobatus vermiculatus</i> (Hook.) Torr. BLACK GREASEWOOD (SAVE)	S	N	P	C
<b>COMMELINACEAE</b>				
<i>Tradescantia occidentalis</i> (Britt.) B. Smyth PRAIRIE SPIDERWORT (TROC)	F	N	P	C

Alphabetic by Family Then by Species	Life Form	Native/Introduced	Cool/Warm Longevity	Season
<b>COMPOSITAE</b>				
<i>Ambrosia cf acanthicarpa</i> Hook. [syn. <i>Franseria acanthicarpa</i> (Hook.) Cov.] ANNUAL BURSAGE (AMAC)	F	N	A	W
<i>Ambrosia psilostachya</i> DC. var. <i>coronopifolia</i> (T. & G.) Farw. (syn. <i>A.</i> <i>coronopifolia</i> T. & G.) WESTERN RAGWEED (AMPS)	F	N	P	W
<i>Antennaria obovata</i> E. Nels. PUSSYTOES (ANOB)	F	N	P	C
<i>Antennaria parvifolia</i> Nutt. LITTLELEAF PUSSYTOES (ANPA)	F	N	P	C
<i>Arctium minus</i> Bernh. COMMON BURDOCK (ARMI)	F	I	B	W
<i>Artemisia bigelovii</i> Gray BIGELOW SAGEBRUSH (ARBI)	S	N	P	W
<i>Artemisia dracunculus</i> L. WILD TARRAGON (ARDR)	F	N	P	W
<i>Artemisia filifolia</i> Torr. SAND SAGEBRUSH (ARFI)	S	N	P	W
<i>Artemisia frigida</i> Willd. FRINGED SAGEBRUSH (ARFR)	F	N	P	W
<i>Artemisia ludoviciana</i> Nutt. LOUISIANA SAGEBRUSH (ARLU)	F	N	P	W
<i>Aster cf ericoides</i> L. WHITE ASTER (ASER)	F	N	P	W

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Cool/Warm Season
<b>COMPOSITAE (continued)</b>				
<i>Aster</i> cf <i>falcatus</i> Lindl. WHITEPRAIRIE ASTER (ASFA)	F	N	P	W
<i>Baccharis</i> <i>wrightii</i> Gray WRIGHT BACCHARIS (BAWR)	F	N	P	W
<i>Brickellia</i> cf <i>brachyphylla</i> (Gray) Gray BRICKELLBUSH (BRBR)	F	N	P	W
<i>Brickellia</i> cf <i>californica</i> (T. & G.) Gray CALIFORNIA BRICKELLBUSH (BRCA)	F	N	P	W
<i>Centaurea</i> <i>repens</i> L. (syn. <i>C. picris</i> Pall.) KNAPWEED (CERE1)	F	I	P	W
<i>Chrysothamnus</i> <i>nauseosus</i> (Pall.) Britt. RABBITBRUSH (CHNA)	S	N	P	W
<i>Cirsium</i> cf <i>undulatum</i> (Nutt.) Spreng. WAVYLEAF THISTLE (CIUN)	F	N	B	W
<i>Conyza</i> <i>canadensis</i> (L.) Cronq. CANADIAN HORSEWEED (COCA)	F	I	A	W
<i>Coreopsis</i> <i>tinctoria</i> Nutt. PLAINS COREOPSIS (COTI)	F	I	A	W
<i>Dysosodia</i> <i>aurea</i> (Gray) A. Nels. DOGWEED (DYAU)	F	N	A	W
<i>Erigeron</i> <i>divergens</i> T. & G. var. <i>cineratus</i> Gray SPREADING FLEABANE (ERDI)	F	N	B	C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
<b>COMPOSITAE (continued)</b>				
<i>Erigeron pumilus</i> Nutt. var. <i>pumilus</i> LOW FLEABANE (ERPU)	F	N	P	C
cf <i>Evaia prolifera</i> Nutt. FLUFFWEED (EVPR)	F	N	A	C
<i>Gaillardia pinnatifida</i> Torr. BLANKET FLOWER (GAPI)	F	N	P	C
<i>Grindelia squarrosa</i> (Pursh) Dun. CURLYCUP GUMWEED (GRSQ)	F	N	P	W
<i>Gutierrezia sarothrae</i> (Pursh) Britt. & Rusby [syn. <i>Xanthocephalum sarothrae</i> (Pursh) Shinners] BROOM SNAKEWEED (GUSA)	F	N	P	W
<i>Haplopappus fremontii</i> Gray var. <i>fremontii</i> [syn. <i>Oonopsis foliosa</i> (Gray) Greene] FREMONT GOLDENWEED (HAFR1)	F	N	P	W
<i>Haplopappus fremontii</i> Gray var. <i>monocephalus</i> (Nels.) Hall (syn. <i>Oonopsis monocephala</i> A. Nels. RAYLESS GOLDENWEED (HAFR2)	F	N	P	W
<i>Haplopappus spinulosus</i> (Pursh) DC. [syn. <i>Machaeranthera pinnatifida</i> (Hook.) Shinners] SPINY GOLDENWEED (HASP)	F	N	P	C
<i>Helianthus petiolaris</i> Nutt. PRAIRIE SUNFLOWER (HEPE)	F	N	A	W
<i>Helianthus</i> sp. SUNFLOWER (HE-X)	F		A	W

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Cool/Warm Season
<b>COMPOSITAE (continued)</b>				
<i>Heterotheca horrida</i> (Rydb.) V. Harms [syn. <i>Chrysopsis hispida</i> (Hook.) DC.; <i>Chrysopsis horrida</i> Rydb.] GOLDASTER (HEHO)	F	N	P	W
<i>Heterotheca villosa</i> (Pursh) Shinners var. <i>angustifolia</i> (Rydb.) V. Harms [syn. <i>Chrysopsis villosa</i> (Pursh) Nutt.; var. <i>angustifolia</i> (Rydb.) Cronq.] HAIRY GOLDASTER (HEVI)	F	N	P	W
<i>Hymenopappus filifolius</i> Hook. FINE LEAF HYMENOPAPPUS (HYFI)	F	N	P	C
<i>Hymenopappus tenuifolius</i> Pursh HYMENOPAPPUS (HYTE)	F	N	B	C
<i>Hymenoxyx acaulis</i> (Pursh) Parker STEMLESS HYMENOXYX (HYAC)	F	N	P	C
<i>Iva axillaris</i> Pursh POVERTYWEED (IVAX)	F	N	P	W
<i>Lactuca serriola</i> L. (syn. <i>L. scariola</i> L.) PRICKLY LETTUCE (LASE)	F	I	A	W
<i>Lactuca tatarica</i> (L.) C.A. Meyer ssp. <i>pulchella</i> (Pursh) Stebbins [syn. <i>L. pulchella</i> (Pursh) Stebbins; <i>L. oblongifolia</i> Nutt.] CHICORY LETTUCE (LATA)	F	N	P	W
<i>Leucelene ericoides</i> (Torr.) Greene [syn. <i>Aster arenosus</i> (Heller) Blake] HEATH ASTER (LEER)	F	N	P	C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Longevity	Cool/Warm Season
<b>COMPOSITAE (continued)</b>				
<i>Liatris punctata</i> Hook. DOTTED GAYFEATHER (LIPU)	F	N	P	W
<i>Lygodesmia juncea</i> (Pursh) Hook. RUSH SKELETONPLANT (LYJU)	F	N	P	W
<i>Melampodium cinereum</i> DC. [syn. <i>M. leucanthum</i> T. & G. PLAINS BLACKFOOT (MECI)]	F	N	P	C
<i>Nothocalais cuspidata</i> (Pursh) Greene [syn. <i>Microseris cuspidata</i> (Pursh) Sch.] FALSE DANDELION (NOCU)	F	N	P	C
<i>Palafoxia rosea</i> (Bush) Cory var. <i>macrolepis</i> Rydb. [syn. <i>P. macrolepis</i> (Rydb.) Cory] PALAFOXIA (PARO)	F	N	A	W
<i>Pectis angustifolia</i> Torr. FETID-MARIGOLD (PEAN1)	F	N	A	W
<i>Picradeniopsis oppositifolia</i> (Nutt.) Rydb. [syn. <i>Bahia oppositifolia</i> (Nutt.) DC.] PLAINS BAHIA (PIOP)	F	N	P	W
<i>Ratibida columnifera</i> (Nutt.) Wooton & Standley UPRIGHT PRAIRIE CONEFLOWER (RACO)	F	N	P	W
<i>Ratibida tagetes</i> (James) Barnh. SHORTRAY PRAIRIE CONEFLOWER (RATA)	F	N	P	W

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Longevity	Cool/Warm Season
<b>COMPOSITAE (continued)</b>				
<i>Senecio cf pseudauraeus</i> Rydb. var. <i>flavulus</i> (Greene) Greenm. (syn. <i>S. flavulus</i> Greene) GOLDEN GROUNDSEL (SEPS)	F	N	P	C
<i>Senecio riddellii</i> T. & G. RIDDELL GROUNDSEL (SERI)	F	N	P	W
<i>Senecio tridenticulatus</i> Rydb. GROUNDSEL (SETR)	F	N	P	C
<i>Solidago mollis</i> Bartl. VELVETY GOLDENROD (SOMO)	F	N	P	W
<i>Solidago multiradiata</i> Ait. (syn. <i>S. ciliosa</i> Greene) GOLDENROD (SOMU)	F	N	P	W
<i>Solidago petiolaris</i> Ait. DOWNY GOLDENROD (SOPE)	F	N	P	W
<i>Solidago sparsiflora</i> Fray THREE-NERVED GOLDENROD (SOSP)	F	N	P	W
<i>Stephanomeria pauciflora</i> (Torr.) A. Nels. DESERT WIRELETTUCE (STPA)	F	N	P	W
<i>Taraxacum officinale</i> Weber COMMON DANDELION (TAOF)	F	I	P	C
<i>Thelesperma megapotamicum</i> (Spreng.) O. Ktze. GREENTHREAD (THME)	F	N	P	C
<i>Thelesperma subnudum</i> Gray NAVAJO-TEA GREENTHREAD (THSU)	F	N	P	C

Alphabetic by Family Then by Species	Life Form	Native/Introduced	Cool/Warm Longevity	Season
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## COMPOSITAE (continued)

*Townsendia hookeri* Beaman  
EASTER DAISY (TOHO)

F	N	P	C
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*Tragopogon dubius* Scop.  
WESTERN SALSIFY (TRDU)

F	I	B	C
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*Verbesina encelioides* (Cav.) Benth. & Hook.  
GOLDEN CROWNBEARD (VEEN)

F	N	A	W
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*Xanthium strumarium* L.  
COCKLEBUR (XAST)

F	I	A	W
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*Zinnia grandiflora* Nutt.  
ROCKY MOUNTAIN ZINNIA (ZIGR)

F	N	P	C
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## CONVOLVULACEAE

*Convolvulus arvensis* L.<sup>\*</sup>  
FIELD BINDWEED (COAR)

V	I	P	C
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*Convolvulus equitans* Benth.  
BINDWEED (COEQ)

V	N	P	W
---	---	---	---

*Evolvulus nuttallianus* R. & S.  
ARIZONA EVOLVULUS (EVNU)

F	N	P	C
---	---	---	---

*Ipomoea leptophylla* Torr.  
BUSH MORNING-GLORY (IPLE)

V	N	P	C
---	---	---	---

## CRUCIFERAE

*Camelina microcarpa* Andr.  
LITTLEPOD FALSEFLAX (CAMI)

F	I	A	C
---	---	---	---

*Descurainia pinnata* (Walt.) Britt.  
PINNATE TANSY MUSTARD (DEPI)

F	N	A	C
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Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Longevity	Cool/Warm Season
<b>CRUCIFERAE (continued)</b>				
<i>Descurainia sophia</i> (L.) Webb. FLIXWEED TANSY MUSTARD (DESO)	F	I	A	C
<i>Draba reptans</i> (Lam.) Fern. CAROLINA DRABA (DRRE)	F	N	A	C
<i>Erysimum asperum</i> (Nutt.) DC. WESTERN WALLFLOWER (ERAS)	F	N	P	C
<i>Lesquerella fendleri</i> (Gray) Wats. FENDLERS BLADDERPOD (LEFE)	F	N	P	C
<i>Stanleya pinnata</i> (Pursh) Britt. PRINCES PLUME (STPI)	F	N	P	C
<i>Thelypodium wrightii</i> Gray WRIGHT THELYPODY (THWR)	F	N	B	W
<b>CUCURBITACEAE</b>				
<i>Cucurbita foetidissima</i> H.B.K. BUFFALO GOURD (CUFO)	V	I	P	W
<b>CUPRESSACEAE</b>				
<i>Juniperus monosperma</i> (Engelm.) Sarg. ONESEDED JUNIPER (JUMO)	T	N	P	C
<i>Juniperus scopulorum</i> Sarg. ROCKY MOUNTAIN JUNIPER (JUSC)	T	N	P	C

Alphabetic by Family Then by Species	Life Form	Native/Introduced	Longevity	Cool/Warm Season
<b>CYPERACEAE.</b>				
<i>Carex brevoortii</i> (Dew.) Mack. SEDGE (CABR)	F	N	P	C
<i>Carex foena</i> Willd. SEDGE (CAFO)	F	N	P	C
<i>Carex gravida</i> Bailey var. <i>lunelliana</i> (Mack.) F.J. Herm. HEAVY SEDGE (CAGR)	F	N	P	C
<i>Carex cf lanuginosa</i> Michx. WOOLLY SEDGE (CALA)	F	N	P	C
<i>Carex zerantica</i> Bailey SEDGE (CAXE)	F	N	P	C
<i>Cyperus filiculmis</i> Vahl. [syn. <i>C. lupulinus</i> (Spreng.) Marcks ssp. <i>lupulinus</i> ] FERN FLATSEDGE (CYFI)	F	N	P	W
<i>Cyperus schweinitzii</i> Torr. SCHWEINITZ FLATSEDGE (CYSC)	F	N	P	W
<i>Eleocharis palustris</i> (L.) R. & S. (syn. <i>E. macrostachya</i> Britt.) COMMON SPIKESEDGE (ELPA)	F	N	P	C
<i>Eleocharis</i> sp. SPIKESEDGE (EL-X)	F		P	C
<i>Scirpus acutus</i> Muhl. TULE BULRUSH (SCAC)	F	N	P	C
<i>Scirpus americanus</i> Pers. AMERICAN BULRUSH (SCAM)	F	N	P	W
<i>Scirpus pallidus</i> (Britt.) Fern. BULRUSH (SCPA1)	F	N	P	C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Cool/Warm Season
<b>EQUISETACEAE</b>				
<i>Equisetum laevigatum</i> A. Braun SMOOTH HORSETAIL (EQLA)	F	N	P	C
<i>Equisetum variegatum</i> Schleich. VARIEGATED HORSETAIL (EQVA)	F	N	P	W
<b>EUPHORBIACEAE</b>				
<i>Croton texensis</i> (Kl.) Muell. Arg. TEXAS CROTON (CRTE)	F	N	A	W
<i>Euphorbia dentata</i> Michx. TOOTHEDE EUPHORBIA (EUDE)	F	N	A	C
<i>Euphorbia fendleri</i> T. & G. FENDLER EUPHORBIA (EUFE)	F	N	P	C
<i>Euphorbia cf glyptosperma</i> Engelm. RIDGESEED EUPHORBIA (EUGL)	F	N	A	C
<i>Euphorbia lata</i> Engelm. HOARY EUPHORBIA (EULA)	F	N	P	C
<i>Euphorbia marginata</i> Pursh SNOW-ON-THE-MOUNTAIN- EUPHORBIA (EUMA)	F	N	A	W
<i>Euphorbia missurica</i> Raf. [syn. <i>Chamaesyce missurica</i> (Raf.) Shinners] MISSOURI EUPHORBIA (EUMI)	F	N	A	W
<i>Euphorbia cf serpens</i> H.B.K. ROUND LEAVED SPURGE (EUSE)	F	N	A	W
<i>Euphorbia spathulata</i> Lam. SPURGE (EUSP)	F	N	A	C

Alphabetic by Family Then by Species	Life Form	Native/Introduced	Cool/Warm Longevity	Season
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### EUPHORBIACEAE (continued)

*Euphorbia stictospora* Engelm.

MAT SPURGE (EUST)

F

N

A

W

*Tragia nepetaefolia* Cav. (syn. *T. urticifolia*

Michx.; *T. betonicifolia* Nutt.

NOSEBURN (TRNE)

F

N

P

C

### FRANKENIACEAE

*Frankenia jamesii* Torr.

JAMES FRANKENIA (FRJA)

S

N

P

C

### FUMARIACEAE

*Corydalis aurea* Willd.

GOLDEN SMOKE (COAU)

F

N

A

C

### GERANIACEAE

*Erodium cicutarium* (L.) L'Her.

FILAREE (ERCH1)

F

I

A

C

### GRAMINEAE

*Agropyron cristatum* (L.) Gaertn.

CRESTED WHEATGRASS (AGCR)

G

I

P

C

*Agropyron dasystachyum* (Hook.) Scribn.

THICKSPIKE WHEATGRASS (AGDA)

G

N

P

C

*Agropyron smithii* Rydb.

WESTERN WHEATGRASS (AGSM)

G

N

P

C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Cool/Warm Season
<b>GRAMINEAE (continued)</b>				
<i>Agrostis stolonifera</i> L. REDTOP BENTGRASS (AGST)	G	I	P	C
<i>Andropogon gerardii</i> Vitman BIG BLUESTEM (ANGE)	G	N	P	W
<i>Aristida adscensionis</i> L. SIXWEEKS THREEAWN (ARAD)	G	N	A	W
<i>Aristida divaricata</i> Humb. & Bonpl. POVERTY THREEAWN (ARDI)	G	N	P	W
<i>Aristida fendleriana</i> Steud. [syn. <i>A. purpurea</i> Nutt. var. <i>longiseta</i> (Steud.) Vasey] FENDLER THREEAWN (ARFE)	G	N	P	W
<i>Aristida longiseta</i> Steud. [syn. <i>A. purpurea</i> Nutt. var. <i>robusta</i> (Merrill) A. Holmgren & N. Holmgren] RED THREEAWN (ARLO)	G	N	P	W
<i>Aristida purpurea</i> Nutt. PURPLE THREEAWN (ARPU)	G	N	P	W
<i>Avena fatua</i> L. WILD OAT (AVFA)	G	I	A	C
<i>Bothriochloa saccharoides</i> (Sw.) Rydb. (syn. <i>Andropogon saccharoides</i> Sw.) SILVER BLUESTEM (BOSA)	G	N	P	W
<i>Bouteloua curtipendula</i> (Michx.) Torr. SIDEROATS GRAMA (BOCU)	G	N	P	W
<i>Bouteloua eriopoda</i> (Torr.) Torr. BLACK GRAMA (BOER)	G	N	P	W

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Longevity	Cool/Warm Season
<b>GRAMINEAE (continued)</b>				
<i>Bouteloua gracilis</i> (H.B.K.) Lag. BLUE GRAMA (BOGR)	G	N	P	W
<i>Bouteloua hirsuta</i> Lag. HAIRY GRAMA (BOHI)	G	N	P	W
<i>Bromus japonicus</i> Thunb. JAPANESE BROME (BRJA)	G	I	A	C
<i>Buchloe dactyloides</i> (Nutt.) Engelm. BUFFALOGRASS (BUDA)	G	N	P	W
<i>Calamagrostis neglecta</i> (Ehrh.) Gaertn. [syn. <i>C. stricta</i> (Timm.) Koel.] SLIMSTEM REEDGRASS (CANE)	G	N	P	C
<i>Cenchrus longispinus</i> (Hack.) Fern. SANDBUR (CELO)	G	N	P	W
<i>Dactylis glomerata</i> L. ORCHARDGRASS (DAGL)	G	I	P	C
<i>Dichanthelium oligosanthes</i> (Schult.) Gould var. <i>scribnerianum</i> (Nash) Gould (syn. <i>Panicum scribnerianum</i> Nash) SCRIBNER PANICUM (DIOL)	G	N	P	C
<i>Distichlis spicata</i> (L.) Greene var. <i>stricta</i> (Torr.) Beetle INLAND SALTGRASS (DISP)	G	N	P	W
<i>Echinochloa crusgalli</i> (L.) Beauv. BARNYARD GRASS (ECCR)	G	I	A	W

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
<b>GRAMINEAE (continued)</b>				
<i>Elymus canadensis</i> L. CANADA WILDRYE (ELCA)	G	N	P	C
<i>Eragrostis ciliaris</i> (All.) Mosher STINK GRASS (ERCI2)	G	N	A	W
<i>Eragrostis spectabilis</i> (Pursh) Steud. PURPLE LOVEGRASS (ERSP)	G	N	P	W
<i>Erioneuron pilosum</i> (Buckl.) Nash [syn. <i>Tridens pilosus</i> (Buckl.) Hitchc.] HAIRY FALSE TRIDENS (ERPI)	G	N	P	W
<i>Glyceria stricta</i> (Lam.) Hitchc. FOWL MANNAGRASS (GLST)	G	N	P	C
<i>Hilaria jamesii</i> (Torr.) Benth. GALLETA (HIJA)	G	N	P	W
<i>Hordeum jubatum</i> L. FOXTAIL BARLEY (HOJU)	G	N	P	C
<i>Hordeum pusillum</i> Nutt. LITTLE BARLEY (HOPU)	G	N	A	C
<i>Koeleria pyramidata</i> (Lam.) Beauv. [syn. <i>K. cristata</i> (L.) Pers.] PRAIRIE JUNEGRASS (KOPY)	G	N	P	C
<i>Lycurus phleoides</i> H.B.K. COMMON WOLFTAIL (LYPH)	G	N	P	W
<i>Muhlenbergia arenacea</i> (Buckl.) Hitchc. EAR MUHLY (MUAR1)	G	N	P	W

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
<b>GRAMINEAE (continued)</b>				
<i>Muhlenbergia arenicola</i> Buckl. SAND MUHLY (MUAR2)	G	N	P	W
<i>Muhlenbergia asperifolia</i> (Nees. & Mey.) Parodi ALKALI MUHLY (MUAS)	G	N	P	W
<i>Muhlenbergia racemosa</i> (Michx.) B.S.P. GREEN MUHLY (MURA)	G	N	P	W
<i>Muhlenbergia torreyi</i> (Kunth) Hitchc. RING MUHLY (MUTO)	G	N	P	W
<i>Munroa squarrosa</i> (Nutt.) Torr. FALSE BUFFALOGRASS (MUSQ)	G	N	A	W
<i>Oryzopsis hymenoides</i> (R. & S.) Ricker INDIAN RICEGRASS (ORHY)	G	N	P	C
<i>Oryzopsis micrantha</i> (Trin. & Rupr.) Thurb. LITTLESEED RICEGRASS (ORMI)	G	N	P	C
<i>Panicum capillare</i> L. COMMON WITCHGRASS (PACA)	G	N	A	W
<i>Panicum obtusum</i> H.B.K. VINE MESQUITE (PAOB)	G	N	P	W
<i>Panicum virgatum</i> L. SWITCHGRASS (PAVI2)	G	N	P	W
<i>Phleum pratense</i> L. TIMOTHY (PHPR)	G	I	P	C
<i>Phragmites communis</i> Trin. [syn. <i>P. australis</i> (Cav.) Trin.] COMMON RED REED (PHCO)	G	N	P	C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
<b>GRAMINEAE (continued)</b>				
<i>Poa bigelovii</i> Vasey & Scribn. BIGELOW BLUEGRASS (POBI)	G	N	P	C
<i>Poa pratensis</i> L. KENTUCKY BLUEGRASS (POPR)	G	I	P	C
<i>Poa sandbergii</i> Vasey SANDBERG BLUEGRASS (POSA)	G	N	P	C
<i>Polypogon monspeliensis</i> (L.) Desf. RABBITFOOT POLYPOGON (POMO)	G	I	A	C
<i>Schedonnardus paniculatus</i> (Nutt.) Trel. TUMBLEGRASS (SCPA2)	G	N	P	W
<i>Schizachyrium scoparium</i> (Michx.) Nash (syn. <i>Andropogon scoparius</i> Michx.) LITTLE BLUESTEM (SCSC)	G	N	P	W
<i>Scleropogon brevifolius</i> Phil. BURROGRASS (SCBR)	G	N	P	W
<i>Sitanion hystrix</i> Nutt. J.G. Smith SQUIRRELTAIL (SIHY)	G	N	P	C
<i>Sorghastrum nutans</i> (L.) Nash INDIANGRASS (SONU2)	G	N	P	W
<i>Sphenopholis obtusata</i> (Michx.) Scribn. WEDGEGRASS (SPOB)	G	N	P	C
<i>Sporobolus airoides</i> (Torr.) Torr. ALKALI SACATON (SPA1)	G	N	P	W

Alphabetic by Family Then by Species	Life Form	Native/Introduced	Longevity	Cool/Warm Season
<b>GRAMINEAE (continued)</b>				
<i>Sporobolus cryptandrus</i> (Torr.) Gray SAND DROPSEED (SPCR)	G	N	P	W
<i>Stipa comata</i> Trin. & Rupr. NEEDLE AND THREAD (STCO)	G	N	P	C
<i>Stipa neomexicana</i> (Thurb.) Scribn. NEW MEXICO FEATHERGRASS (STNE)	G	N	P	C
<i>Stipa robusta</i> (Vasey) Scribn. SLEEPYGRASS (STRO)	G	N	P	C
<i>Stipa scribnieri</i> Vasey SCRIBNER NEEDLEGRASS (STSC)	G	N	P	C
<i>Stipa viridula</i> Trin. GREEN NEEDLEGRASS (STVI)	G	N	P	C
<i>Tridens elongatus</i> (Buckl.) Nash [syn. <i>T. muticus</i> (Torr.) Nash var. <i>elongatus</i> (Buckl. Shinners)] GREEN TRIDENS (TREL)	G	N	P	W
<i>Vulpia octoflora</i> (Walt.) Rydb. (syn. <i>Festuca octoflora</i> Walt.) SIXWEEKS FESCUE (VUOC)	G	N	A	C
<b>GROSSULARIACEAE</b>				
<i>Ribes aureum</i> Pursh GOLDEN CurrANT (RIAU)	S	N	P	C
<i>Ribes cereum</i> Dougl. WAX CURRANT (RICE)	S	N	P	C
<i>Ribes cf leptanthum</i> Gray TRUMPET GOOSEBERRY (RILE)	S	N	P	C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Longevity	Cool/Warm Season
<b>HYDRANGEACEAE</b>				
<i>Philadelphus microphyllus</i> Gray var. <i>microphyllus</i> LITTLELEAF MOCKORANGE (PHMI)	S	N	P	C
<b>JUNCACEAE</b>				
<i>Juncus balticus</i> Willd. BALTIC RUSH (JUBA)	F	N	P	C
<i>Juncus interior</i> Wieg. INLAND RUSH (JUIN)	F	N	P	C
<i>Juncus torreyi</i> Cov. TORREY RUSH (JUTO)	F	N	P	W
<b>LABIATAE</b>				
<i>Hedeoma drummondii</i> Benth. DRUMMOND FALSE PENNYROYAL (HEDR)	F	N	P	C
<i>Marrubium vulgare</i> L. COMMON HOARHOUND (MAVU)	F	I	P	C
<i>Monarda pectinata</i> Nutt. PONY BEEBALM (MOPE)	F	N	A	C
<i>Salvia reflexa</i> Hornem. LANCELEAF SAGE (SARE)	F	N	A	W
<i>Teucrium laciniatum</i> Torr. CUTLEAF GERMANDER (TELA)	F	N	P	C

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Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Longevity	Cool/Warm Season
<b>LEGUMINOSAE</b>				
<i>Amorpha fruticosa</i> L. FALSE INDIGO (AMFR)	S	N	P	C
<i>Amorpha nana</i> Nutt. DWARF INDIGO AMORPHA (AMNA)	S	N	P	C
<i>Astragalus crassicarpus</i> Nutt. GROUNDPLUM MILKVETCH (ASCR)	F	N	P	C
<i>Astragalus gracilis</i> Nutt. SLENDER MILKVETCH (ASGR)	F	N	P	C
<i>Astragalus missouriensis</i> Nutt. MISSOURI MILKVETCH (ASMI)	F	N	P	C
<i>Astragalus puniceus</i> Osterh. TRINIDAD MILKVETCH (ASPU)	F	N	P	C
<i>Astragalus racemosus</i> Pursh ALKALI MILKVETCH (ASRA)	F	N	P	C
<i>Astragalus shortianus</i> Nutt. SHORTS MILKVETCH (ASSH)	F	N	P	C
<i>Caesalpinia jamesii</i> (T. & G.) Fisher (syn. <i>Hoffmanseggia jamesii</i> T. & G. JAMES RUSHPEA (CAJA))	F	N	P	C
<i>Dalea aurea</i> Nutt. SILKTOP DALEA (DAAU)	F	N	P	W

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
LEGUMINOSAE (continued)				
<i>Dalea candida</i> Michx. [syn. <i>Petalostemum candidus</i> (Willd.) Michx. WHITE PRAIRIE CLOVER (DACA)	F	N	P	C
<i>Dalea enneandra</i> Nutt. INDIGO BUSH (DAEN)	F	N	P	W
<i>Dalea jamesii</i> (Torr.) T. & G. JAMES DALEA (DAJA)	F	N	P	C
<i>Dalea purpurea</i> Vent. [syn. <i>Petalostemum purpureum</i> (Vent.) Rydb. PURPLE PRAIRIE CLOVER (DAPU)	F	N	P	C
<i>Glycyrrhiza lepidota</i> Pursh AMERICAN LICORICE (GLLE)	F	N	P	C
<i>Hedysarum boreale</i> Nutt. NORTHERN SWEETVETCH (HEBO)	F	N	P	W
<i>Hoffmannseggia drepanocarpa</i> Gray SICKLEPOD RUSHPEA (HODR)	F	N	P	C
<i>Lathyrus eucosmus</i> Butters & St. John [syn. <i>L. brachycalyx</i> Rydb. ssp. <i>eucosmus</i> (Butters & St. John) Welsh] BUSH PEAVINE (LAEU)	F	N	P	C
<i>Lupinus pusillus</i> Pursh RUSTY LUPINE (LUPU)	F	N	A	C
<i>Melilotus alba</i> Medic. WHITE SWEETCLOVER (MEAL1)	F	I	A	C

Alphabetic by Family Then by Species	Life Form	Native/Introduced	Cool/Warm Longevity	Season
<i>Melilotus officinalis</i> (L.) Pallas YELLOW SWEETCLOVER (MEOF)	F	I	A	C
<i>Oxytropis lambertii</i> Pursh LAMBERT CRAZYWEED (OXLA)	F	N	P	C
<i>Psoralea tenuiflora</i> Pursh SLIMFLOWER SCURFPEA (PSTE)	F	N	P	C
<i>Sophora nuttalliana</i> B.L. Turner (syn. <i>S. sericea</i> Nutt.) SILKY SOPHORA (SONU1)	F	N	P	C
<i>Vicia americana</i> Muhl. AMERICAN VETCH (VIAM)	V	N	P	C
<b>LILIACEAE</b>				
<i>Allium textile</i> A. Nels. & Macbr. TEXTILE ONION (ALTE)	F	N	P	C
<i>Calochortus</i> cf <i>gunnisonii</i> S. Wats. GUNNISON MARIPOSALILY (CAGU)	F	N	P	C
<i>Leucocrinum montanum</i> Nutt. SAND LILY (LEMO)	F	N	P	C
<b>LINACEAE</b>				
<i>Linum lewisii</i> Pursh [syn. <i>L. perenne</i> L. var. <i>lewisii</i> (Pursh) Eat. & Wright] LEWIS FLAX (LILE)	F	N	P	C
<i>Linum</i> cf <i>rigidum</i> Pursh YELLOW FLAX (LIRI)	F	N	A	C

Alphabetic by Family Then by Species	Life Form	Native/Introduced	Cool/Warm Longevity	Season
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## LOASACEAE

*Mentzelia albicaulis* (Hook.) T. & G.  
WHITESTEM MENTZELIA (MEAL2)

F	N	A	C
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*Mentzelia nuda* (Pursh) T. & G. [syn.  
*Nuttallia nuda* (Pursh) Greene]  
BRACTLESS MENTZELIA (MENU)

F	N	P	W
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*Mentzelia oligosperma* Nutt.  
STICKLEAF (MEOL)

F	N	P	W
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## MALVACEAE

*Sphaeralcea angustifolia* (Cav.) D. Don  
[syn. *S. angustifolia* (Cav.) D. Don  
var. *cuspidata*]  
NARROWLEAF GLOBEMALLOW  
(SPAN)

F	N	P	C
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*Sphaeralcea coccinea* (Pursh) Rydb.  
SCARLET GLOBEMALLOW (SPCO)

F	N	P	C
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## MARTYNIACEAE

*Martynia louisianica* P. Mill. [syn.  
*Proboscidea louisianica* (P. Mill.) Thell.]  
DEVIL'S CLAW (MALO)

F	N	A	W
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## NYCTAGINACEAE

*Abromia fragrans* Nutt.  
SNOWBALL SANDVERBENA (ABFR)

F	N	P	C
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*Mirabilis multiflora* (Torr.) Gray  
COLORADO FOUR-O'CLOCK (MIMU)

F	N	P	C
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Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
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## NYCTAGINACEAE (continued)

*Mirabilis hirsuta* (Pursh) MacM.[syn. *Oxybaphus hirsutus* Sweet]

HAIRY UMBRELLAWORT (MIHI)

F

N

P

C

*Mirabilis linearis* (Pursh) Heimerl.[syn. *Oxybaphus linearis* (Pursh) Robinson]

NARROWLEAVED UMBRELLAWORT

(MILI)

F

N

P

C

*Tripterocalyx micranthus* (Torr.) Hook.

SANDPUFF (TRMI)

F

N

P

C

## ONAGRACEAE

*Calylophus hartwegii* (Benth.) Raven ssp.*lavandulifolius* (T. & G.) Towner & Raven[syn. *C. lavandulifolius* (T. & G.) Raven;*Oenothera lavandulacea* T. & G.]

LAVENDERLEAF EVENING

PRIMROSE (CAHA)

F

N

P

C

*Gaura coccinea* Pursh

SCARLET GAURA (GACO)

F

N

P

C

*Gaura parviflora* Dougl.

SMALLFLOWER GAURA (GAPA)

F

N

B

C

*Oenothera caespitosa* Nutt.

TUFTED EVENING PRIMROSE

(OECA)

F

N

P

C

*Oenothera harringtonii* Wagner, Stockhouse

&amp; Klein

EVENING PRIMROSE (OEHA)

F

N

P

C

Alphabetic by Family Then by Species	Life Form	Native/Introduced	Cool/Warm Longevity	Season
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## OROBANCHACEAE

*Orobanche multiflora* Nutt.  
BROOMRAPE (ORMU)

F	N	P	W
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## PAPAVERACEAE

*Argemone cf hispida* Gray [syn. *A. platyceras* Link. & Otto var. *hispida* (Gray) Prain]  
HEDGEHOG PRICKLYPOPPY  
(ARHI)

F	N	P	C
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## PINACEAE

*Pinus edulis* Engelm.  
PINYON PINE (PIED)

T	N	P	E
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*Pinus ponderosa* Dougl.  
PONDEROSA PINE (PIPO)

T	N	P	E
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## PLANTAGINACEAE

*Plantago patagonica* Jacq.  
(syn. *P. purshii* R. & S.)  
WOOLLY PLANTAIN (PLPA)

F	N	A	C
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## POLEMONIACEAE

*Gilia acerosa* (Gray) Britt.  
(syn. *G. rigidula* Benth.  
GILIA (GIAC)

F	N	P	C
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*Ipomopsis laxiflora* (Coul.) V. Grant  
(syn. *Gilia laxiflora* (Coul.) Osterh.  
GILIA (IPLA)

F	N	A	C
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Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
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## POLEMONIACEAE (continued)

*Ipomopsis pumila* (Nutt.) V. Grant  
(syn. *Gilia pumila* Nutt.)  
DWARF GILIA (IPPU)

F	N	A	C
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*Ipomopsis spicata* (Nutt.) V. Grant  
(syn. *Gilia spicata* Nutt.)  
SPIKE GILIA (IPSP)

F	N	P	C
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*Phlox longifolia* Nutt.  
LONGLEAF PHLOX (PHLO)

F	N	P	C
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## POLYGONACEAE

*Eriogonum annuum* Nutt.  
ANNUAL ERIOGONUM (ERAN)

F	N	A	W
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*Eriogonum effusum* Nutt.  
BUSHY ERIOGONUM (EREF)

F	N	P	W
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*Eriogonum jamesii* Benth. var. *jamesii*  
JAMES ERIOGONUM (ERJA)

F	N	P	W
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*Eriogonum lachnogynum* Torr.  
ERIOPONUM (ERLA)

F	N	P	W
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*Eriogonum tenellum* Torr.  
MATTED WILD BUCKWHEAT  
(ERTE)

F	N	P	W
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*Eriogonum cf. umbellatum* Torr.  
SULPHUR ERIOGONUM (ERUM)

F	N	P	W
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Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	
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## POLYGONACEAE (continued)

*Rumex crispus* L.

CURLY DOCK (RUCR)

F

I

P

C

*Rumex stenophyllus* Ledeb.

NARROWLEAF DOCK (RUST)

F

I

P

C

## POLYPODIACEAE

*Woodsia oregana* D.C. Eaton

OREGON WOODSIA (WOOR)

F

N

P

C

## PORTULACACEAE

*Portulaca oleracea* L.

COMMON PURSLANE (POOL)

F

N

A

C

*Portulaca parvula* Gray

PURSLANE (POPA)

F

N

A

C

*Talinum parviflorum* Nutt.

PRAIRIE FAMEFLOWER (TAPA)

F

N

P

W

## RANUNCULACEAE

*Clematis ligusticifolia* Nutt.WESTERN VIRGINSBOWER  
(CLLI)

V

N

P

W

*Delphinium cf virescens* Nutt.ssp. *penardii* (Huth) Ewan

PLAINS LARKSPUR (DEVII)

F

N

P

C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	
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### RANUNCULACEAE (continued)

*Delphinium virescens* Nutt.  
 ssp. *wootonii* (Rydb.) Ewan  
 (syn. *D. wootonii* Rydb.)  
**WOOTON LARKSPUR (DEVI2)**

F	N	P	C
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### ROSACEAE

*Amelanchier alnifolia* Nutt.  
**SASKATOON SERVICEBERRY  
(AMAL)**

S	N	P	C
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*Cercocarpus montanus* Raf.  
**TRUE MOUNTAIN MAHOGANY  
(CEMO)**

S	N	P	C
---	---	---	---

*Physocarpus monogynus* (Torr.) Coul.  
**MOUNTAIN NINEBARK (PHMO)**

S	N	P	C
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*Potentilla cf. arguta* Pursh var. *arguta*  
**WHITE CINQUEFOIL (POAR)**

F	N	P	W
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*Prunus americana* Marsh.  
**AMERICAN PLUM (PRAM)**

S	N	P	C
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*Prunus pensylvanica* L. f.  
**PIN CHERRY (PRPE)**

T	N	P	C
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*Prunus virginiana* L.  
**COMMON CHOKECHERRY (PRVI)**

S	N	P	C
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*Rosa cf. woodsii* Lindl.  
**WOOD ROSE (ROWO)**

S	N	P	C
---	---	---	---

*Rubus deliciosus* Torr.  
**BOULDER RASPBERRY (RUDE)**

S	N	P	C
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Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Cool/Warm Season
<b>RUTACEAE</b>				
<i>Ptelea trifoliata</i> L. (syn. <i>P. baldwinii</i> T. & G.) COMMON HOPTREE (PTTR)	S	N	P	C
<b>SALICACEAE</b>				
<i>Populus deltoides</i> Marsh. ssp. <i>monilifera</i> (Ait.) Eckenw.; syn. <i>P. sargentii</i> Dode) PLAINS COTTONWOOD (PODE)	T	N	P	C
<i>Populus tremuloides</i> Michx. QUAKING ASPEN (POTR)	T	N	P	C
<i>Salix cf amygdaloides</i> Anderss. PEACHLEAF WILLOW (SAAM)	T	N	P	C
<i>Salix exigua</i> Nutt. ssp. <i>interior</i> (Rowlee) Cronq. (syn. <i>S. interior</i> Rowlee) SANDBAR WILLOW (SAEX)	S	N	P	C
<i>Salix</i> sp. WILLOW (SA-X)	S		P	C
<b>SANTALACEAE</b>				
<i>Comandra umbellata</i> (L.) Nutt. BASTARD TOADFLAX (COUM)	F	N	P	C
<b>SAPINDACEAE</b>				
<i>Sapindus saponaria</i> L. var. <i>drummondii</i> (Hook. & Arn.) L. Benson (syn. <i>S.</i> <i>drummondii</i> Hook. & Arn.) SOUTHERN SOAPBERRY (SASA)	T	N	P	C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
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## SAXIFRAGACEAE

*Heuchera parvifolia* Nutt.

LITTLELEAF ALUMROOT (HEPA)

F

N

P

C

## SCROPHULARIACEAE

*Castilleja integra* Gray

ORANGE PAINTBRUSH (CAIN)

F

N

P

C

*Castilleja sessiliflora* Pursh

DOWNY PAINTBRUSH (CASE)

F

N

P

C

*Penstemon angustifolius* Nutt.var. *caudatus* (Heller) Rydb.

NARROWLEAF PENSTEMON

(PEAN2)

F

N

P

C

*Penstemon auriberbis* Pennell

PENSTEMON (PEAU)

F

N

P

C

*Penstemon barbatus* (Cav.) Roth.var. *torreyi* (Benth.) Keck

TORREY PENSTEMON (PEBA)

F

N

P

W

*Verbascum thapsus* L.

FLANNEL MULLEIN (VETH)

F

I

B

C

## SOLANACEAE

*Chamaesaracha coronopus* (Dun.) Gray

GREEN FALSE NIGHTSHADE

(CHCO)

F

N

P

C

*Lycium pallidum* Miers

PALE WOLFBERRY (LYPA)

S

N

P

C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Longevity	Cool/Warm Season
<i>Physalis hederifolia</i> Gray var. <i>cordifolia</i> (Gray) Waterfall (syn. <i>Physalis fendleri</i> Gray) CLAMMY GROUNDCHERRY (PHHE)	F	N	P	W
<i>Physalis lobata</i> Torr. [syn. <i>Quinqua lobata</i> (Torr.) Raf.] PURPLEFLOWER GROUNDCHERRY (PHLO1)	F	N	P	C
<i>Physalis longifolia</i> Nutt. var. <i>longifolia</i> [syn. <i>P. virginiana</i> P. Mill. var. <i>sonorae</i> (Torr.) Waterfall LONGLEAF GROUNDCHERRY (PHLO2)	F	N	P	C
<i>Physalis longifolia</i> Nutt. var. <i>subglabrata</i> (Mack. & Bush) Cronq. (syn. <i>P. subglabrata</i> Mack & Bush) TAPERLEAF GROUNDCHERRY (PHLO3)	F	N	P	C
<i>Solanum elaeagnifolium</i> Cav. SILVERLEAF NIGHTSHADE (SOEL)	F	N	P	C
<i>Solanum nigrum</i> L. (syn. <i>S. ptycanthum</i> Dun.) BLACK NIGHTSHADE (SONI)	F	I	A	C
<i>Solanum rostratum</i> Dun. BUFFALOBUR NIGHTSHADE (SORO)	F	N	A	W
<i>Solanum triflorum</i> Nutt. CUTLEAF NIGHTSHADE (SOTR)	F	N	A	C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Season
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## TAMARICACEAE

*Tamarix pentandra* Pallas  
(syn. *T gallica* L.)

FIVE-STAMEN TAMARIX (TAPE)

S

I

P

C

## TYPHACEAE

*Typha angustifolia* L.

NARROWLEAF CATTAIL (TYAN)

F

N

P

C

*Typha latifolia* L.

COMMON CATTAIL (TYLA)

F

N

P

C

## ULMACEAE

*Celtis reticulata* Torr.

NETLEAF HACKBERRY (CERE2)

T

N

P

C

## UMBELLIFERAE

*Conium maculatum* L.

POISON HEMLOCK (COMA)

F

I

B

C

*Cymopterus montanus* T. & G.

MOUNTAIN SPRING PARSLEY  
(CYMO)

F

N

P

C

*Lomatium orientale* Coulter. & Rose

ORIENTAL LOMATIUM (LOOR)

F

N

P

C

*Musineon divaricatum* (Pursh) Nutt.

LEAFY MUSINEON (MUDI)

F

N

P

C

Alphabetic by Family Then by Species	Life Form	Native/ Introduced	Cool/Warm Longevity	Cool/Warm Season
<b>URTICACEAE</b>				
<i>Parietaria pensylvanica</i> Muhl. PENNSYLVANIA PELLITORY (PAPE)	F	N	A	C
<b>VERBENACEAE</b>				
<i>Phyla cuneifolia</i> (Torr.) Greene [syn. <i>Lippia cuneifolia</i> (Torr.) Steud.] WEDGELEAF FOGFRUIT (PHCU)	F	N	P	W
<i>Verbena bipinnatifida</i> Nutt. (syn. <i>V. ambrosifolia</i> Rydb.) DAKOTA VERVAIN (VEBI)	F	N	P	C
<i>Verbena bracteata</i> Lag. & Rodr. PROSTRATE VERVAIN (VEBR)	F	N	A	C
<b>VIOLACEAE</b>				
<i>Viola nuttallii</i> Pursh NUTTALL VIOLET (VINU)	F	N	P	C
<b>VITACEAE</b>				
<i>Parthenocissus vitacea</i> (Knerr) Hitchc. THICKET CREEPER (PAVI1)	V	N	P	C
<i>Vitis longii</i> Prince (syn. <i>V. acerifolia</i> Raf. LONGS GRAPE (VILO)	V	N	P	C

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Alphabetic by Family Then by Species	Life Form	Native/Introduced	Cool/Warm Longevity Season
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**ZYGOPHYLLACEAE***Tribulus terrestris* L.

PUNCTURE VINE (TRTE)

F            I            A            W

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